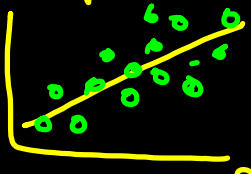
r^2 = coefficient of determination
how well the line fits the data

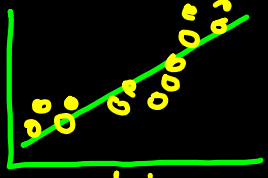
Journal #9 = change to r^2

r = how well the x-data relates the y-data

How to judge a "good" fit

1) Are points balanced on either side of the line





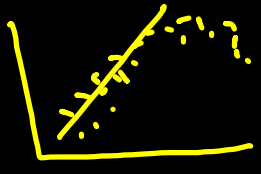
2) Coeff. of determination

$0.75 \leq r^2 < 1.00$ good

$0.50 \leq r^2 < 0.75$ fair

$r^2 < .50$ poor

3) Predict the future



Know x-coord.

x	y
25,000	

1) Switch to Table View
   Ctrl-T
2) Change Start Value

Know y-coord.

yds	tds
	600

Use graph ↓ intersect